

## CLAIMS

1. A composition for lowering blood pressure, comprising isohumulones or a hop extract and/or an isomerized hop extract as an active ingredient.
2. A composition for preventing, treating or ameliorating hypertension, comprising isohumulones, or a hop extract and/or an isomerized hop extract as an active ingredient.
3. A composition for improving or ameliorating vascular flexibility, comprising isohumulones, or a hop extract and/or an isomerized hop extract as an active ingredient.
4. A composition for improving or ameliorating vascular endothelial function, comprising isohumulones, or a hop extract and/or an isomerized hop extract as an active ingredient.
5. A composition for vascular dilatation or blood flow acceleration, comprising isohumulones, or a hop extract and/or an isomerized hop extract as an active ingredient.
6. The composition according to any one of claims 1 to 5, wherein the isohumulones are selected from the group consisting of isohumulone, isoahumulone, isocohumulones, and combinations thereof.
7. The composition according to any one of claims 1 to 6, wherein said composition is provided in the form of a food.
8. The composition according to claim 7, wherein the food is a drink.
9. The composition according to claim 8, wherein the drink is a non-alcohol drink.
10. The composition according to claim 7, 8 or 9, wherein the food is a health food, a functional food, a food for specific health use, or a food for patients.
11. The composition according to any one of claims 1 to 6, wherein said composition is provided in the form of a medicine.
12. A method of lowering blood pressure, comprising administering to a mammal isohumulones, or a hop extract and/or an isomerized hop extract.
13. A method of preventing, treating or ameliorating

hypertension, comprising administering to a mammal isohumulones, or a hop extract and/or an isomerized hop extract.

14. A method of improving or ameliorating vascular flexibility, comprising administering to a mammal isohumulones, or a hop extract and/or an isomerized hop extract.

15. A method of improving or ameliorating vascular endothelial function, comprising administering to a mammal isohumulones, or a hop extract and/or an isomerized hop extract.

16. A method of dilating blood vessels or accelerating blood flow, comprising administering to a mammal isohumulones, or a hop extract and/or an isomerized hop extract.

17. The method according to any one of claims 12 to 16, wherein the isohumulones are selected from the group consisting of isohumulone, isoahumulone, isocohumulones, and combinations thereof.

18. Use of isohumulones, or a hop extract and/or an isomerized hop extract for the manufacture of a composition for lowering blood pressure.

19. Use of isohumulones, or a hop extract and/or an isomerized hop extract for the manufacture of a composition for preventing, treating, or ameliorating hypertension.

20. Use of isohumulones, or a hop extract and/or an isomerized hop extract for the manufacture of a composition for improving and ameliorating vascular flexibility.

21. Use of isohumulones, or a hop extract and/or an isomerized hop extract for the manufacture of a composition for improving and ameliorating vascular endothelial function.

22. Use of isohumulones, or a hop extract and/or an isomerized hop extract for the manufacture of a composition for dilating blood vessels or accelerating blood blow.

23. The use according to any one of claims 18 to 22, wherein the isohumulones are selected from the group consisting of isohumulone, isoahumulone, isocohumulones, and combinations thereof.

24. A food for lowering blood pressure, comprising isohumulones, or a hop extract and/or an isomerized hop extract.

25. A food for preventing, treating, or ameliorating hypertension,

comprising isohumulones, or a hop extract and/or an isomerized hop extract.

26. A food for improving or ameliorating vascular flexibility, comprising isohumulones, or a hop extract and/or an isomerized hop extract.

27. A food for improving or ameliorating vascular endothelial function, comprising isohumulones, or a hop extract and/or an isomerized hop extract.

28. Food for dilating blood vessels or accelerating blood flow, comprising isohumulones, or a hop extract and/or an isomerized hop extract.

29. The food according to any one of claims 24 to 28, wherein the isohumulones are selected from the group consisting of isohumulone, isoadhumulone, isocohumulones, and combinations thereof.

30. The food according to any one of claims 24 to 29, wherein the isohumulones are provided daily in a range of 30 mg to 6000 mg on the basis of an amount of isohumulones.

31. The food according to any one of claims 24 to 30, which is in the form of a drink.

32. The food according to claim 31, wherein the drink is a non-alcohol drink.

33. The food according to any one of claims 24 to 32, which is a health food, a functional food, a food for specific health use, or a food for patients.

34. A non-alcohol drink comprising isohumulones, or a hop extract and/or an isomerized hop extract, wherein the isohumulones, or a hop extract and/or an isomerized hop extract are provided daily in a range of 30 mg to 6000 mg on the basis of an amount of isohumulones.

35. The non-alcohol drink according to claim 34, wherein the isohumulones, or a hop extract and/or an isomerized hop extract are provided daily in a range of 60 mg to 3000 mg on the basis of an amount of isohumulones.

36. The non-alcohol drink according to claim 34 or 35, which is a tea drink.